

DII.COE.Final.HP1020.SVD

Defense Information Infrastructure (DII)
Common Operating Environment (COE)

**Software Version Description (SVD) for
SATAN, version 1.0.0.2**

Document Version 1.0.0.2

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1. Scope

1.1 Identification

This Software Version Description (SVD) document is for SATAN (segprefix SATAN) Version 1.0.0.2 for the HP 10.20 Platform.

1.2 System Overview

This version of SATAN (Security Administrator Tool for Analyzing Networks) remotely probes systems via the network and stores its findings in a database.

System configuration variables and command line options can be found in Appendix A of the SAM Document for SATAN version 1.0.0.2, 18 July 1997.

1.3 Product Information

Product Dependencies: SATAN depends upon PERL version 5 and Netscape 3.0.0.X.

2. Referenced Documents

System Administrator's Manual (SAM) for SATAN, version 1.0.0.2, 18 July 1997.

Software Version Description (SVD) for SATAN, version 1.0.0.2, 18 July 1997.

Installation Procedures (IP) for SATAN, version 1.0.0.2, 18 July 1997.

Software Product Specification (SPS) for SATAN, version 1.0.0.2, 18 July 1997.

Software Test Plan (STP) for SATAN, version 1.0.0.2, 18 July 1997.

Software Test Description (STD) for SATAN, version 1.0.0.2, 18 July 1997.

Software Test Report (STR) for SATAN, version 1.0.0.2, 18 July 1997.

3. Version Description

3.1 Inventory of materials released

Version 1.0.0.2 of the SATAN segment is provided on one 4mm dat tape as a COE Component. It is made up of the source, executables, and scripts.

The SVD identifies and describes in detail the hardware, software, known problems, and the documentation baseline of SATAN 1.0.0.2.

The IP provides step-by-step procedures for installing the system or segment, including hardware and software requirements.

The SPS specifies the software characteristics that are required for acceptance of the software for the DII COE.

The SAM provides specific guidance for System Administrators to support COE system and software installation and maintenance.

The STP document describes the types of tests and provides traceability to the software requirements they satisfy.

The STD describes the test cases and acceptance criteria that will be used to test the software.

The STR provides a technical report with supporting documentation (package of materials) required to evaluate the results of the software tests described in the STD.

3.2 Inventory of Software Contents

- ! Integ
VSOutput
- ! SegDescrip
DEINSTALL
FileAttribs
Installed
PostInstall
ReleaseNotes
SegInfo
SegName
VERSION
Validated
bitmap/
- ! SegDescrip(bitmap
satan.img)
- ! bin
SATAN.dir/
SATAN.init
SATAN.xterm
- ! bin/SATAN.dir
README
bin/

```
config/
html/
include/
perl/
perllib/
reconfig
repent
results/
rules/
satan
satan.8
satan.ps
status_file

!    bin/SATAN.dir/bin
boot
boot.satan
dns.satan
faux_fping
finger.satan
fping
ftp.satan
get_targets
md5
nfs-chk
nfs-chk.satan
rcmd
rex
rex.satan
rpc.satan
rsh.satan
rusers.satan
safe_finger
showmount.satan
sys_socket
tcp_scan
tcpscan.satan
tftp.satan
timeout
udp_scan
udpscan.satan
xhost.satan
yp-chk
yp-chk.satan
ypbind.satan
```

- ! bin/SATAN.dir/config
paths.pl
paths.pl.old
paths.sh
paths.sh.old
satan.cf
services
version.pl
- ! bin/SATAN.dir/html
admin/
data/
docs/
dots/
images/
name.html
reporting/
running/
satan.pl
satan_documentation.pl
tutorials/
- ! bin/SATAN.dir/html/admin
satan_cf_action.pl
satan_cf_form.pl
- ! bin/SATAN.dir/html/data
satan_data_form.pl
satan_merge_action.pl
satan_open_action.pl
- ! bin/SATAN.dir/html/docs
FAQ.html
acknowledgements.html
admin_guide_to_cracking.html
artwork.html
authors.html
copyright.html
dangers.html
design.html
getting_started.html
intro.html
philosophy.html
quotes.html
references.html

satan.cf.html
satan.db.html
satan.probes.html
satan.rules.html
satan_overview.html
satan_reference.html
system_requirements.html
the_main_parts.html
trust.html
user_interface.html
who_should_use.html

! bin/SATAN.dir/html/dots

blackdot.gif
bluedot.gif
browndot.gif
dot.gif
eyeball.gif
greendot.gif
orangedot.gif
orig.devil.gif
pinkdot.gif
purpledot.gif
reddot.gif
whitedot.gif
yellowdot.gif

! bin/SATAN.dir/html/images

santa.gif
satan-almost-full.gif
satan-full.gif
satan.gif

! bin/SATAN.dir/html/reporting

analysis.pl
satan_info_OS.pl
satan_info_OSclass.pl
satan_info_OStype.pl
satan_info_class.pl
satan_info_clients.pl
satan_info_domain.pl
satan_info_host.pl
satan_info_host_action.pl
satan_info_name.pl
satan_info_servers.pl

satan_info_subnet.pl
satan_info_trusted.pl
satan_info_trusting.pl
satan_results_danger.pl
satan_results_domain.pl
satan_results_subnet.pl
satan_results_trusted.pl
satan_results_trusting.pl
satan_severity_counts.pl
satan_severity_hosts.pl
satan_severity_types.pl
sort_hosts.pl

- ! bin/SATAN.dir/html/running
satan_run_action.pl
satan_run_form.pl
- ! bin/SATAN.dir/html/tutorials
first_time/
vulnerability/
vulnerability_tutorials.pl
- ! bin/SATAN.dir/html/tutorials/first_time
analyzing.html
learning_to_use.html
make.html
scanning.html
- ! bin/SATAN.dir/html/tutorials/vulnerability
FTP_vulnerabilities.html
NFS_export_to_unprivileged_programs.html
NFS_export_via_portmapper.html
NIS_password_file_access.html
REXD_access.html
SATAN_password_disclosure.html
Sendmail_vulnerabilities.html
TFTP_file_access.html
remote_shell_access.html
unrestricted_NFS_export.html
unrestricted_X_server_access.html
unrestricted_modem.html
writable_FTP_home_directory.html
- ! bin/SATAN.dir/include
netinet/

- ! bin/SATAN.dir/perl/
 - config.pl
 - cops2satan.pl
 - domains.pl
 - drop_fact.pl
 - facts.pl
 - fix_hostname.pl
 - get_host.pl
 - getfqdn.pl
 - hostname.pl
 - hosttype.pl
 - html.pl
 - infer_facts.pl
 - infer_todo.pl
 - misc.pl
 - policy-engine.pl
 - reconfig.pl
 - run-satan.pl
 - satan-data.pl
 - services.pl
 - severities.pl
 - shell.pl
 - socket.pl
 - status.pl
 - subnets.pl
 - suser.pl
 - targets.pl
 - todo.pl
 - trust.pl
- ! bin/SATAN.dir/perllib
 - README
 - ctime.pl
 - getopts.pl
- ! bin/SATAN.dir/results
 - satan-data/
- ! bin/SATAN.dir/results/satan-data
 - all-hosts
 - facts
 - todo
- ! bin/SATAN.dir/rules
 - drop

```
facts
hosttype
services
todo
trust

!
data
.SATAN_SEGDIR
bitmap/

!
data(bitmap
SATAN.xbm
```

3.3 Changes Installed

This version contains the conversion of SATAN from a COTS segment into a COE software segment.

3.4 Waivers

Database Design Document (DBDD)
Software User's Manual (SUM)

3.5 Adaptation Data

Not applicable.

3.6 Installation Instructions

This version of SATAN can be installed in accordance with the Installation Procedures Document for SATAN version 1.0.0.2, 18 July 1997.

3.7 Possible Problems and Known Errors

At the time of this test it was found that if SATAN is deinstalled and then reinstalled, a link to perl in /h/COE/bin will be removed by the Segment Installer upon deinstalling SATAN. A link is created upon reinstallation from /h/COE/bin/perl to /h/COE/Comp/SATAN/bin/perl. The command to correct the link is:

```
cd /h/COE/bin
rm perl
ln -s /h/COE/Comp/PERL/bin/perl perl
```